



1/14

FIG. 1

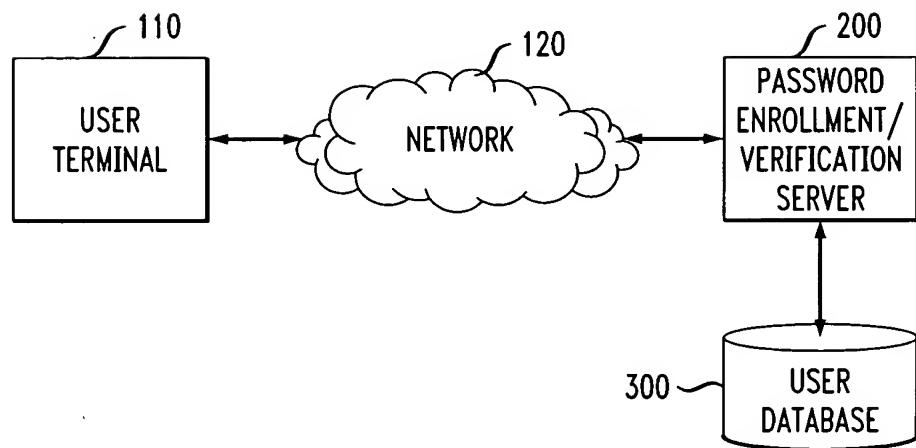
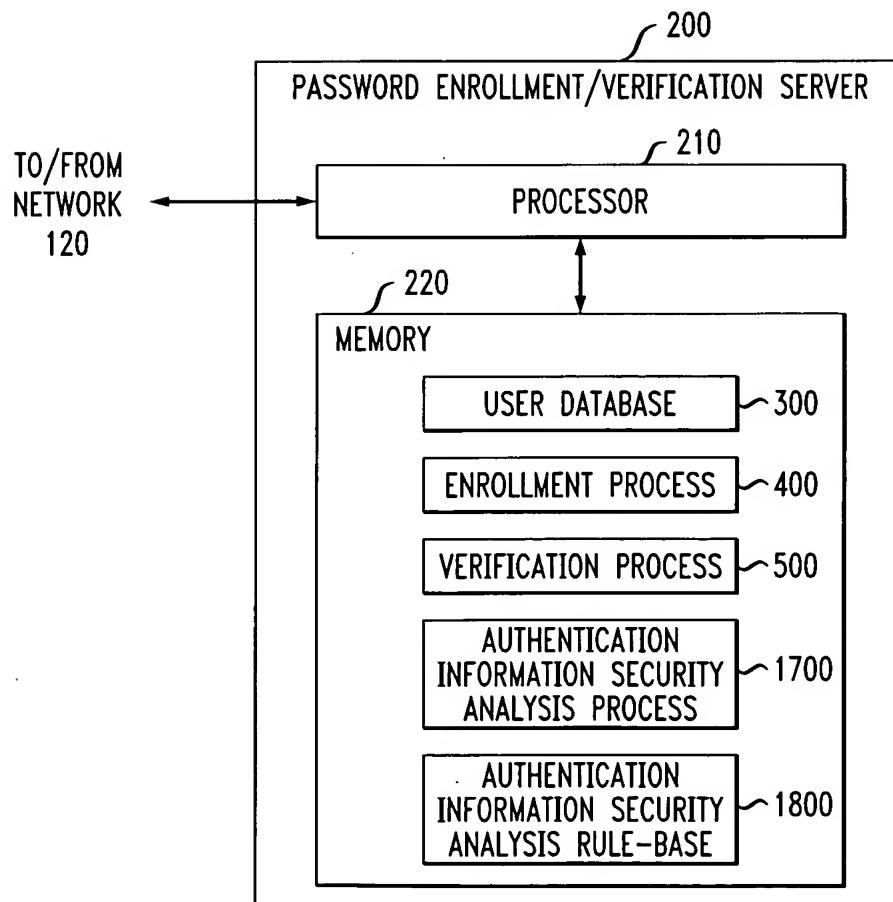


FIG. 2



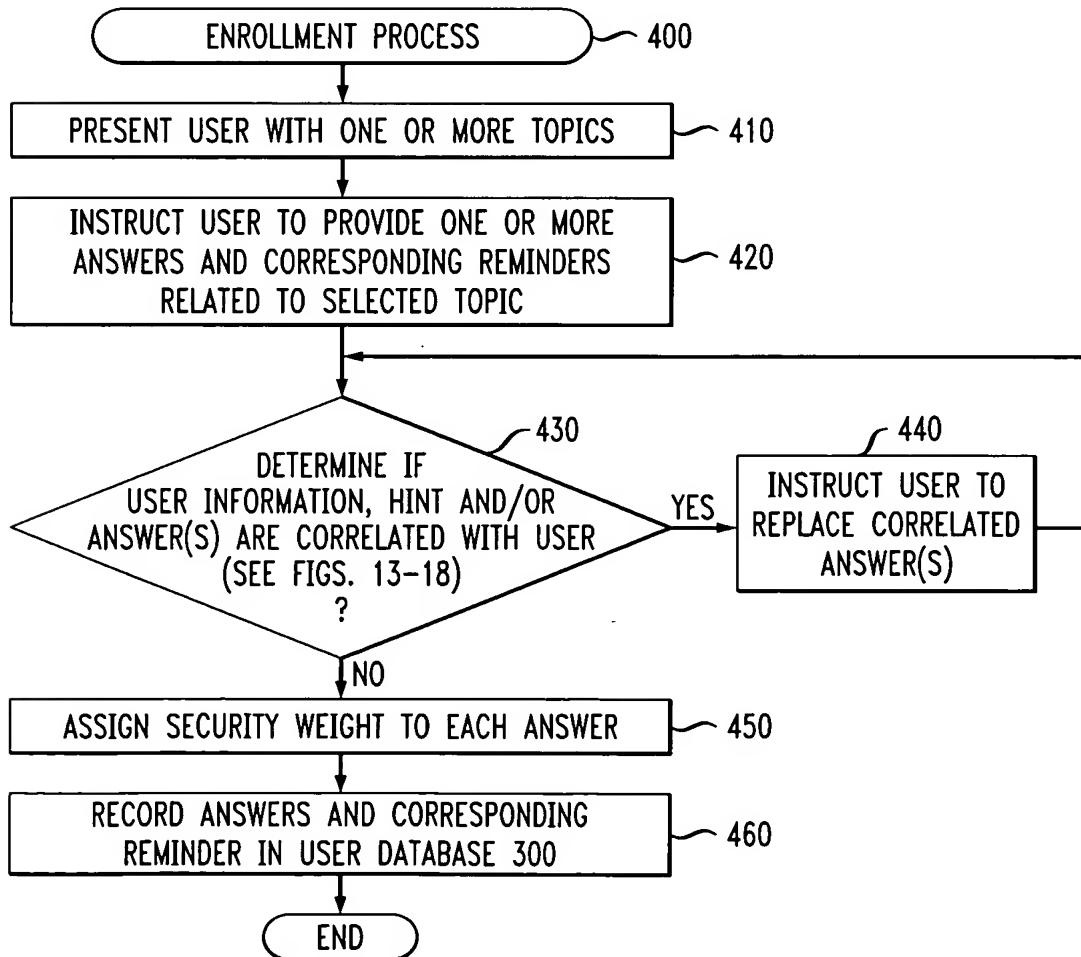
2/14

FIG. 3

USER DATABASE - 300

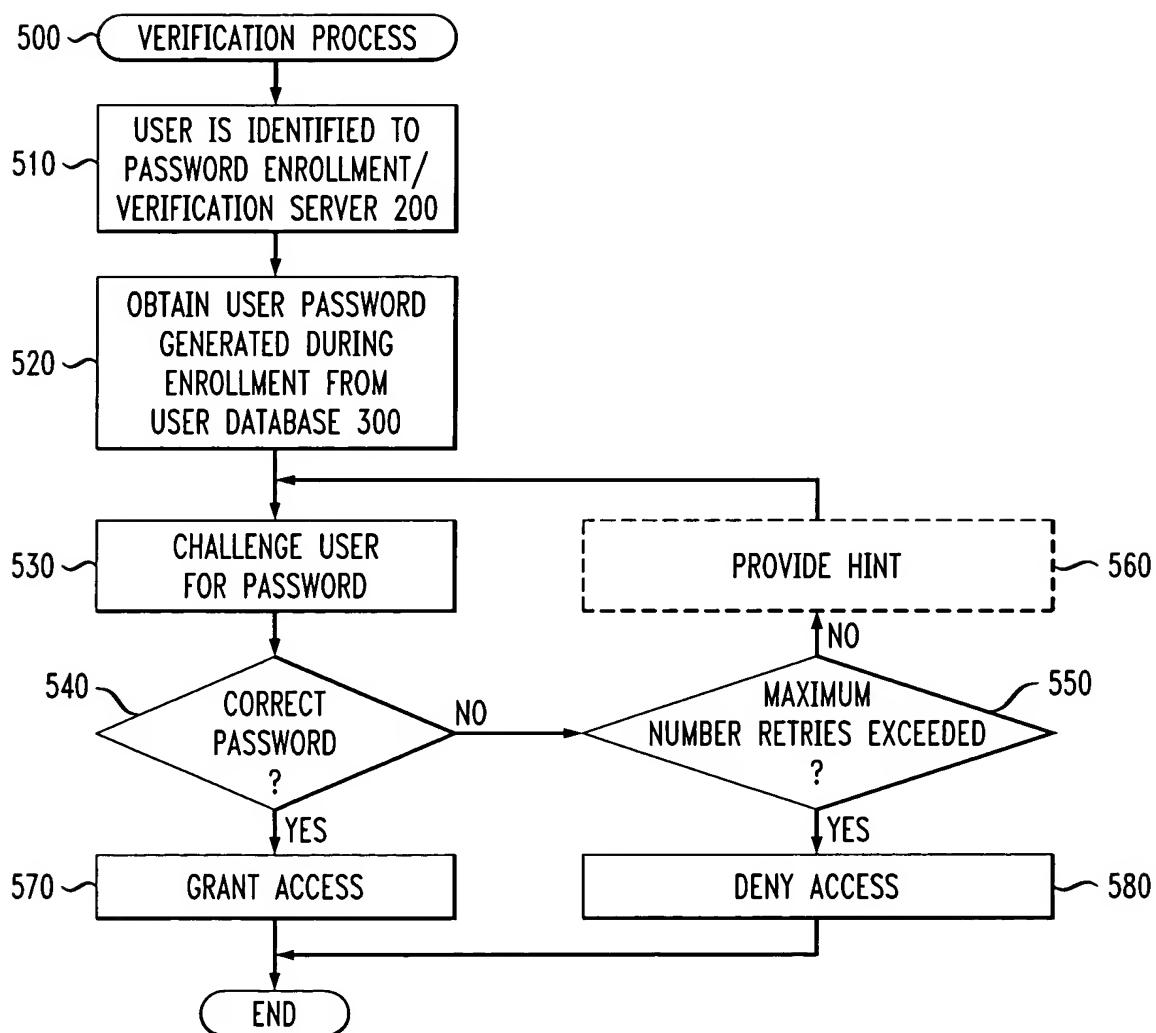
USER NAME	PASSWORD (ANSWER)	REINFORCEMENT (HINT)
JOHN SMITH	718-555-1212	MANDY'S PHONE NUMBER
:	:	:
JON BENTLEY	PEOPLE: FATHER, MOTHER, SISTER, BROTHER CAR: BLUE 1965 MUSTANG TRIP: FROM HOME TO FRESNO VIA HIGHWAY	SANDY KOUFAX'S PERFECT GAME
JILL DOE	12/12/68	FIDO'S OWNER'S BIRTHDAY

FIG. 4



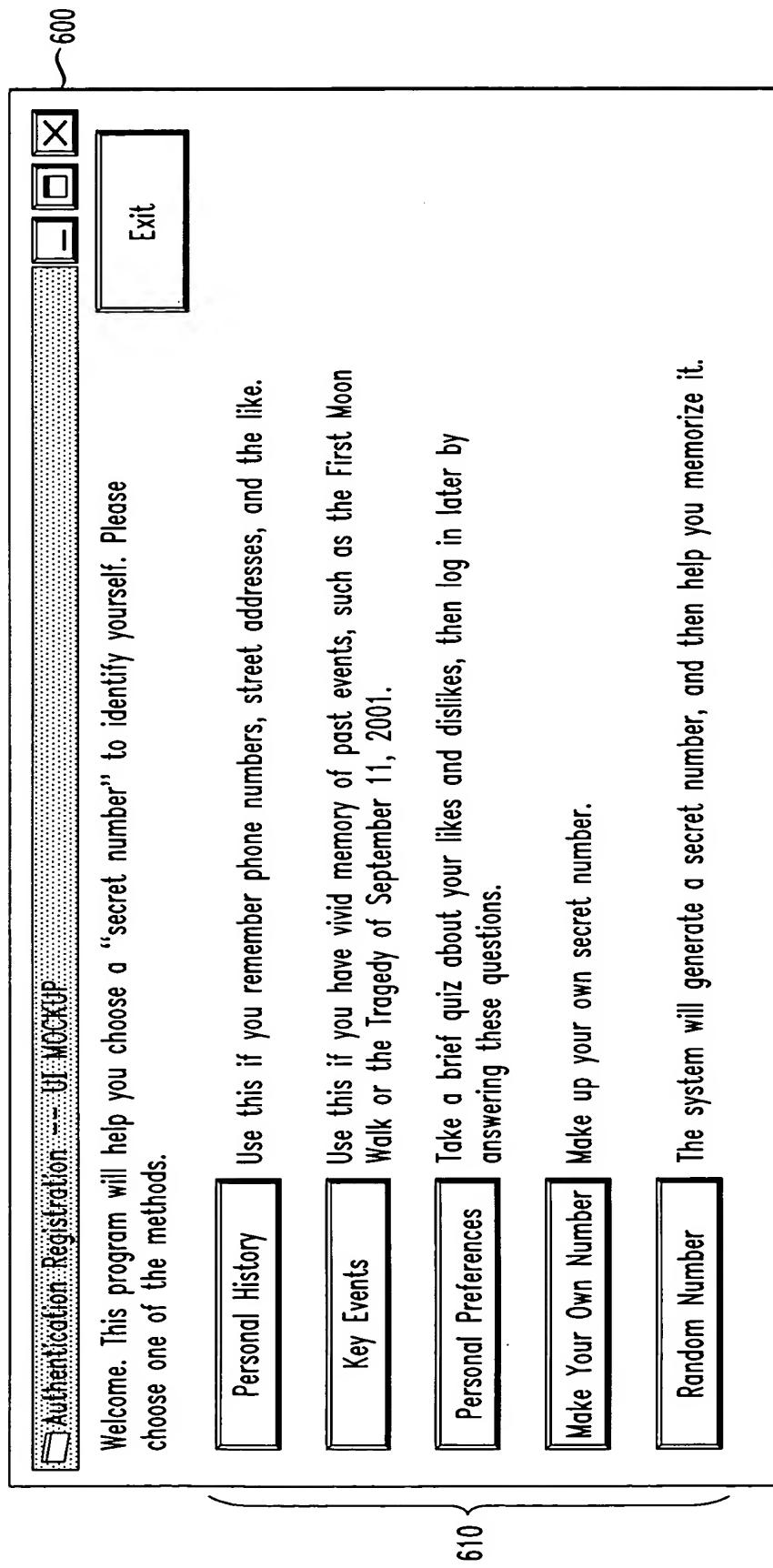
3/14

FIG. 5



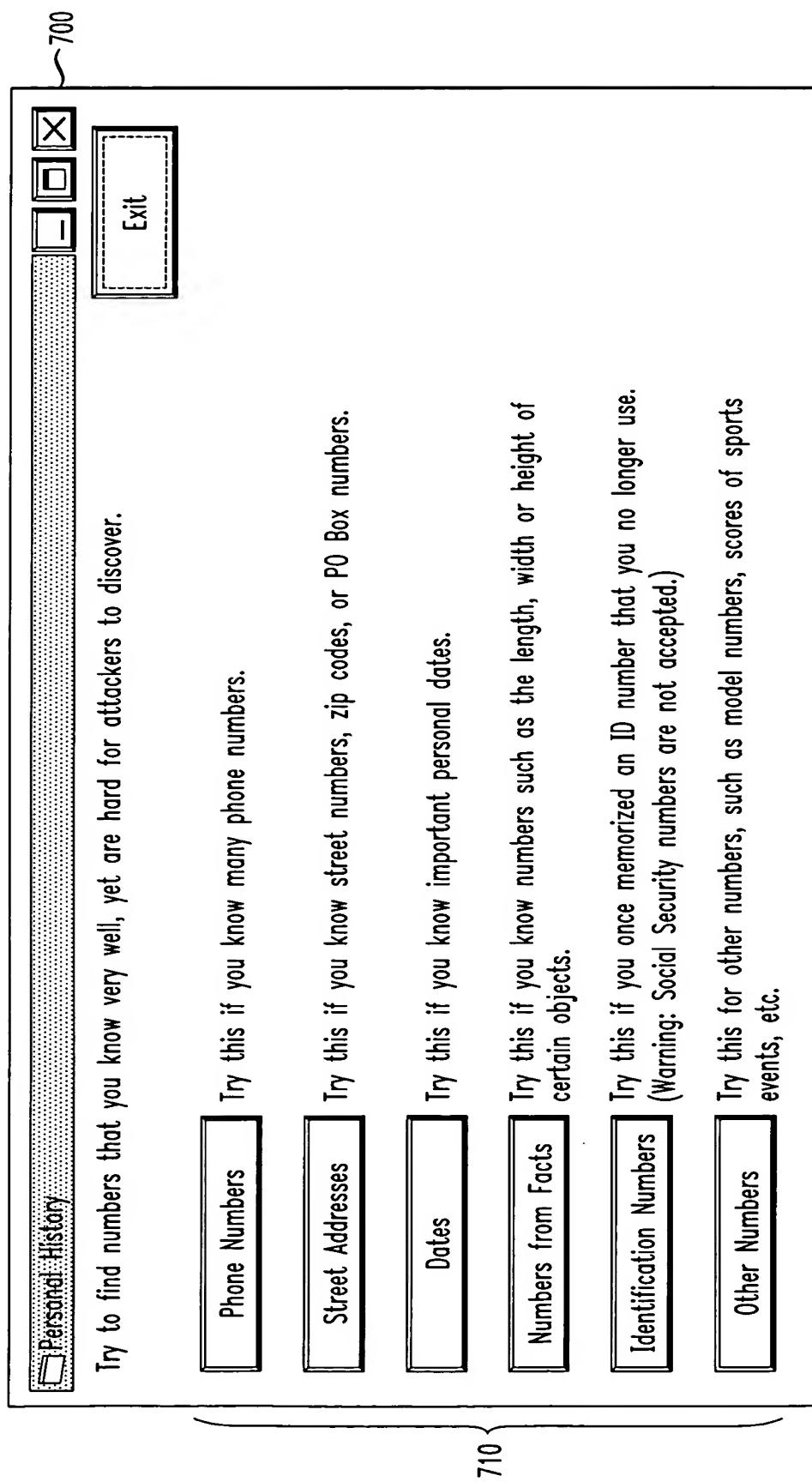
4/14

FIG. 6



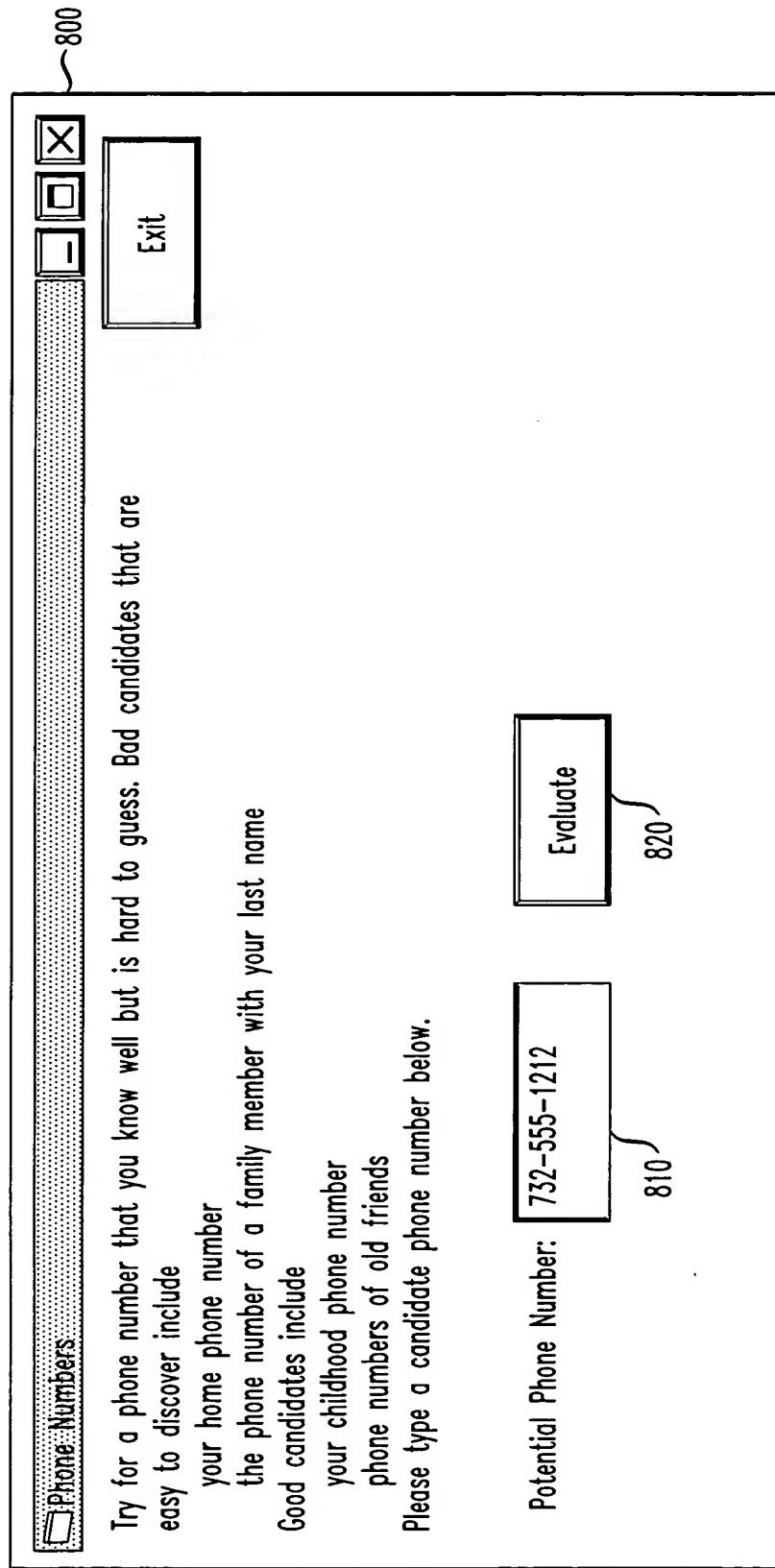
5/14

FIG. 7



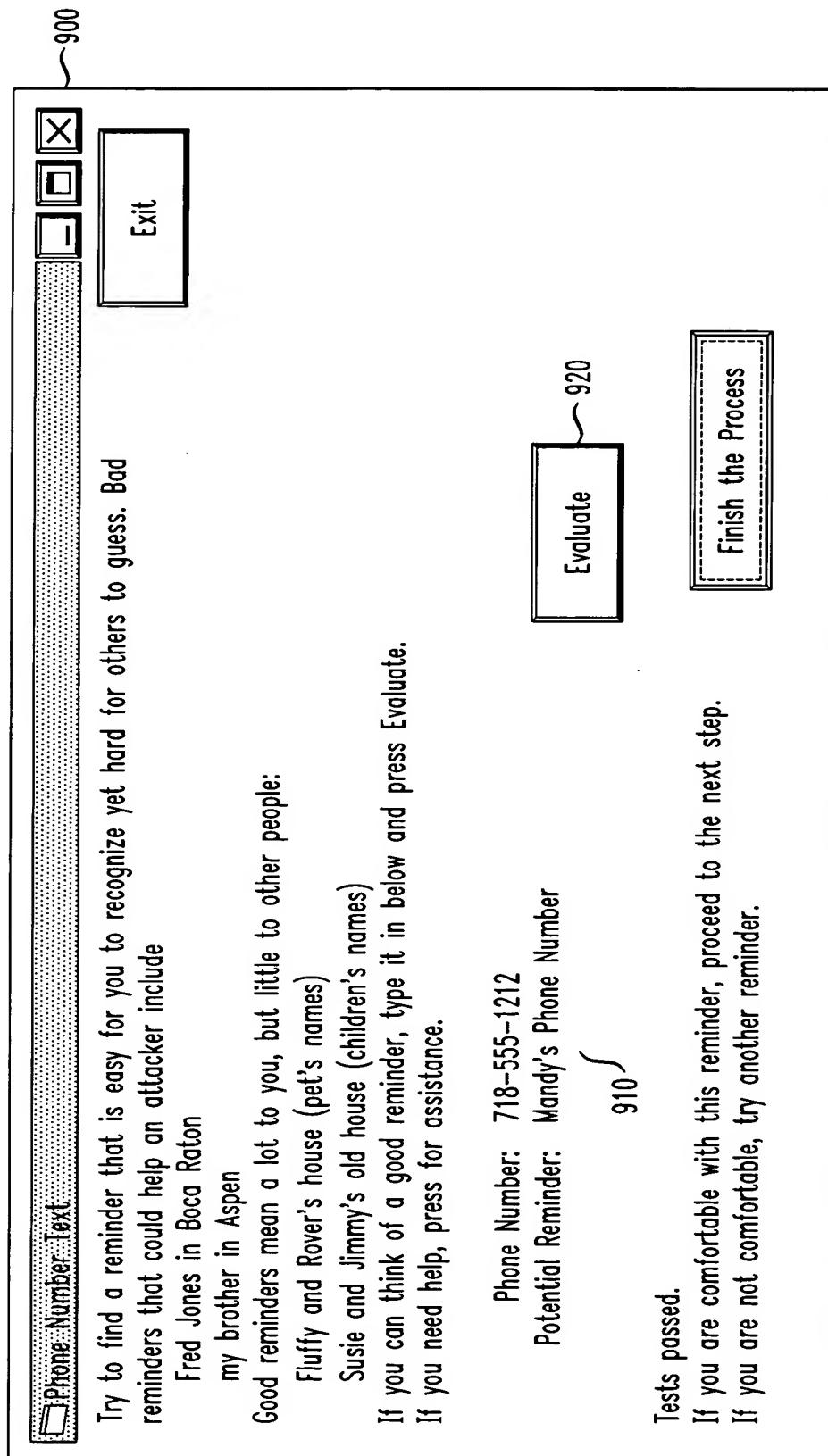
6/14

FIG. 8



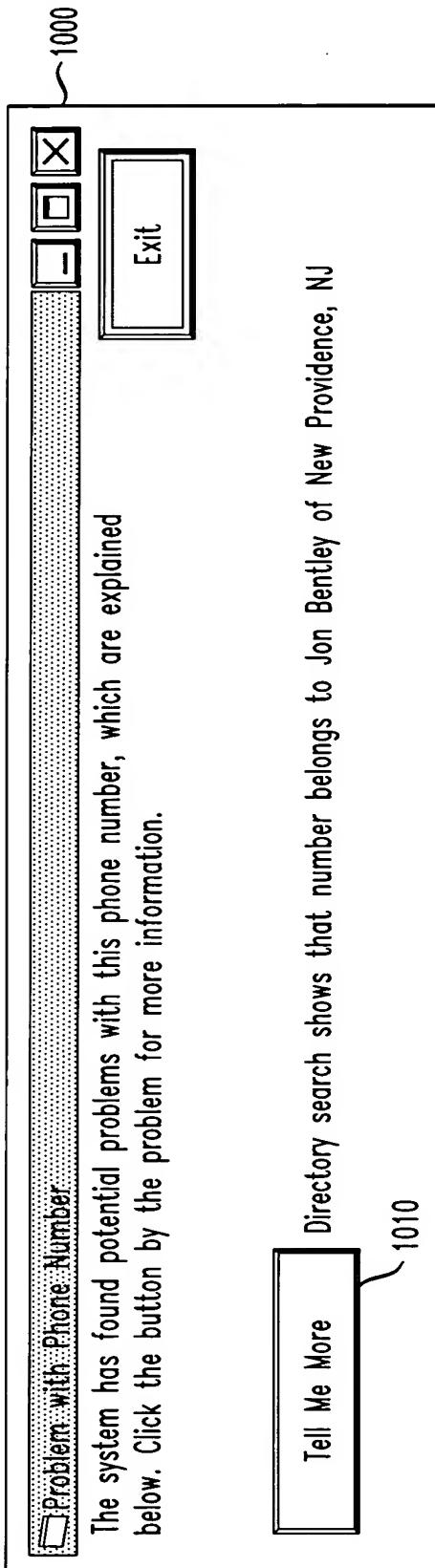
7/14

FIG. 9



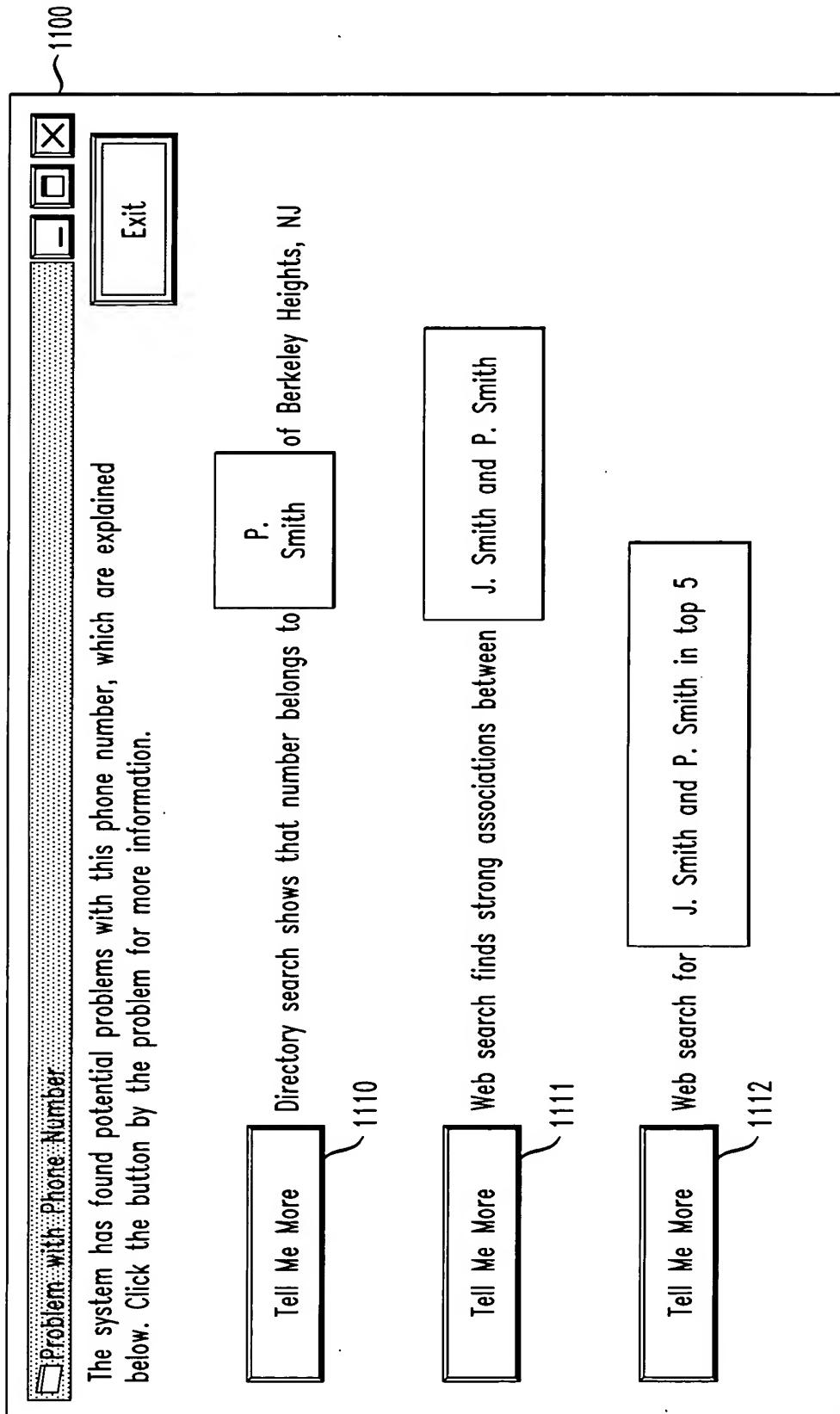
8/14

FIG. 10



9/14

FIG. 11



10/14

FIG. 12

Registration Completion ~1200

Secret Number: 718-555-1212 ✓ 1010
Reminder: Mandy's phone number ~ 1020

Many people find it easier to remember their secrets if they receive periodic reminders.
Please indicate below what, if any, reminders you wish to receive.

E-Mail Reminders _____

E-Mail Address:
user@mail.adr

Frequency of Reminders

Weekly 1030
 Monthly 1040
 None

Check here to receive the secret number along with the reminder.

Telephone Reminders _____

Telephone Number:

Frequency of Reminders

Weekly
 Monthly
 None

Telephone reminders do not give your secret numbers.

Done

11/14

FIG. 13

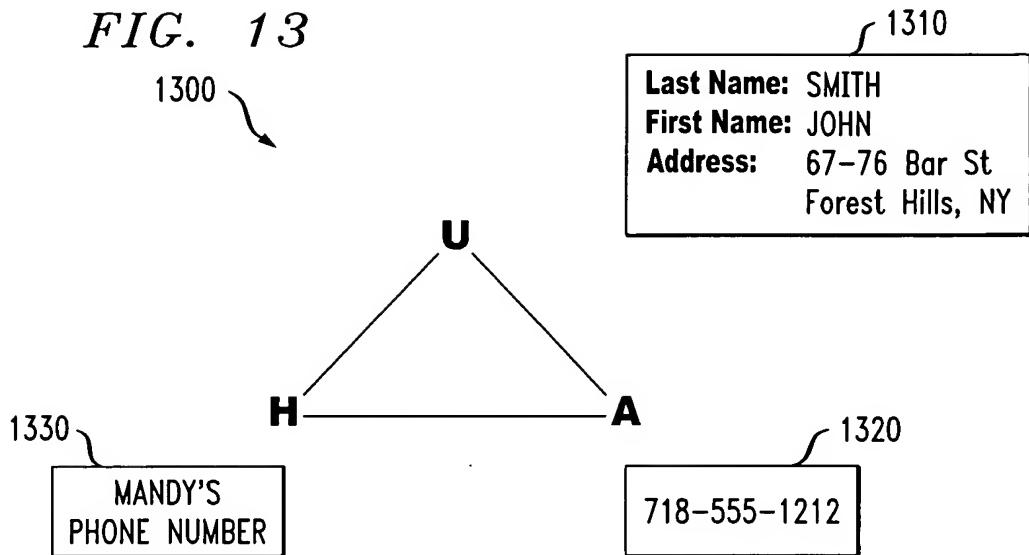
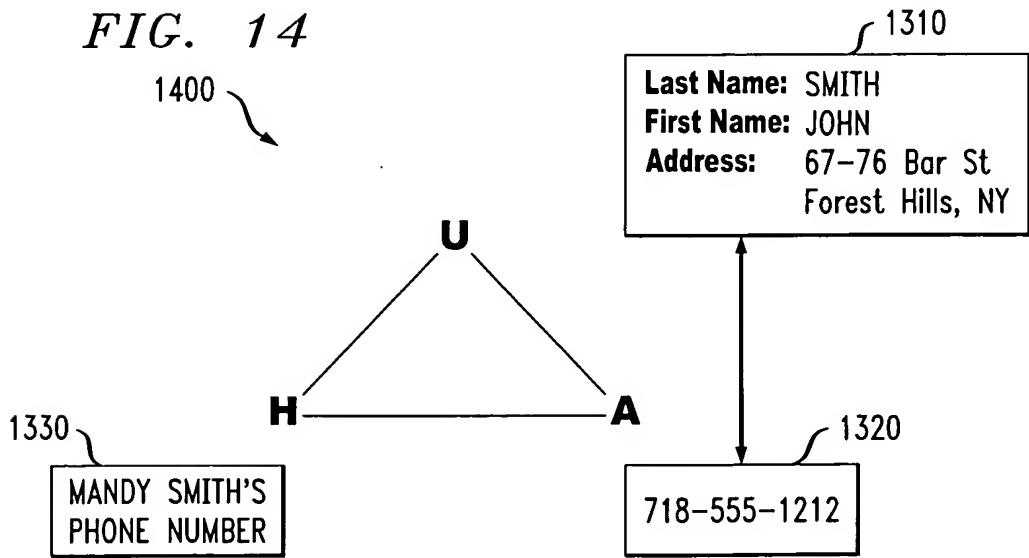


FIG. 14



12/14

FIG. 15

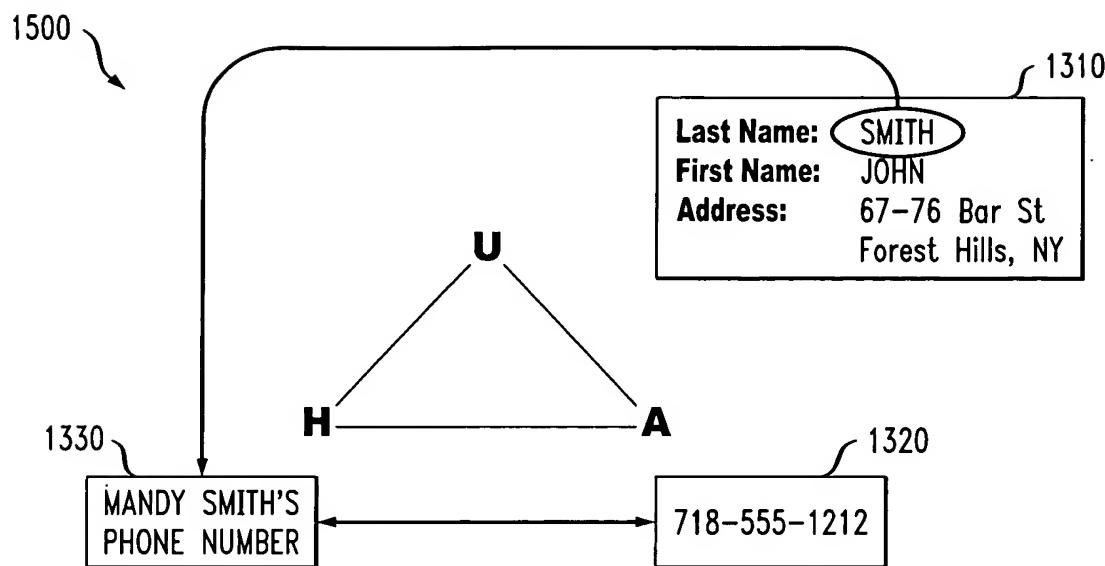


FIG. 16

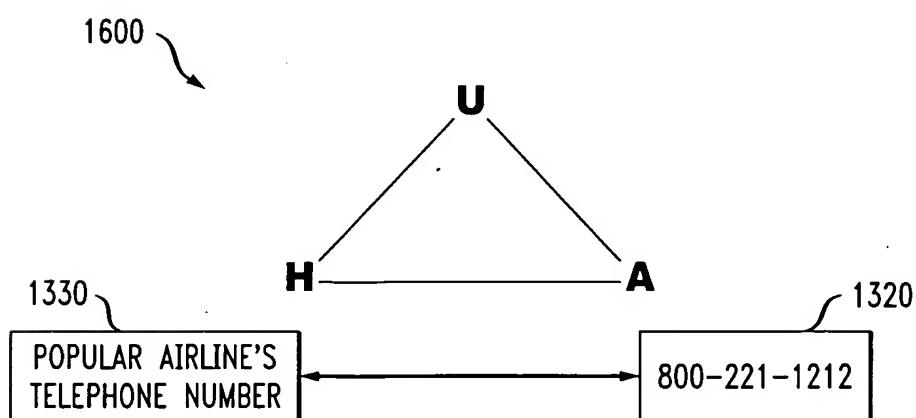
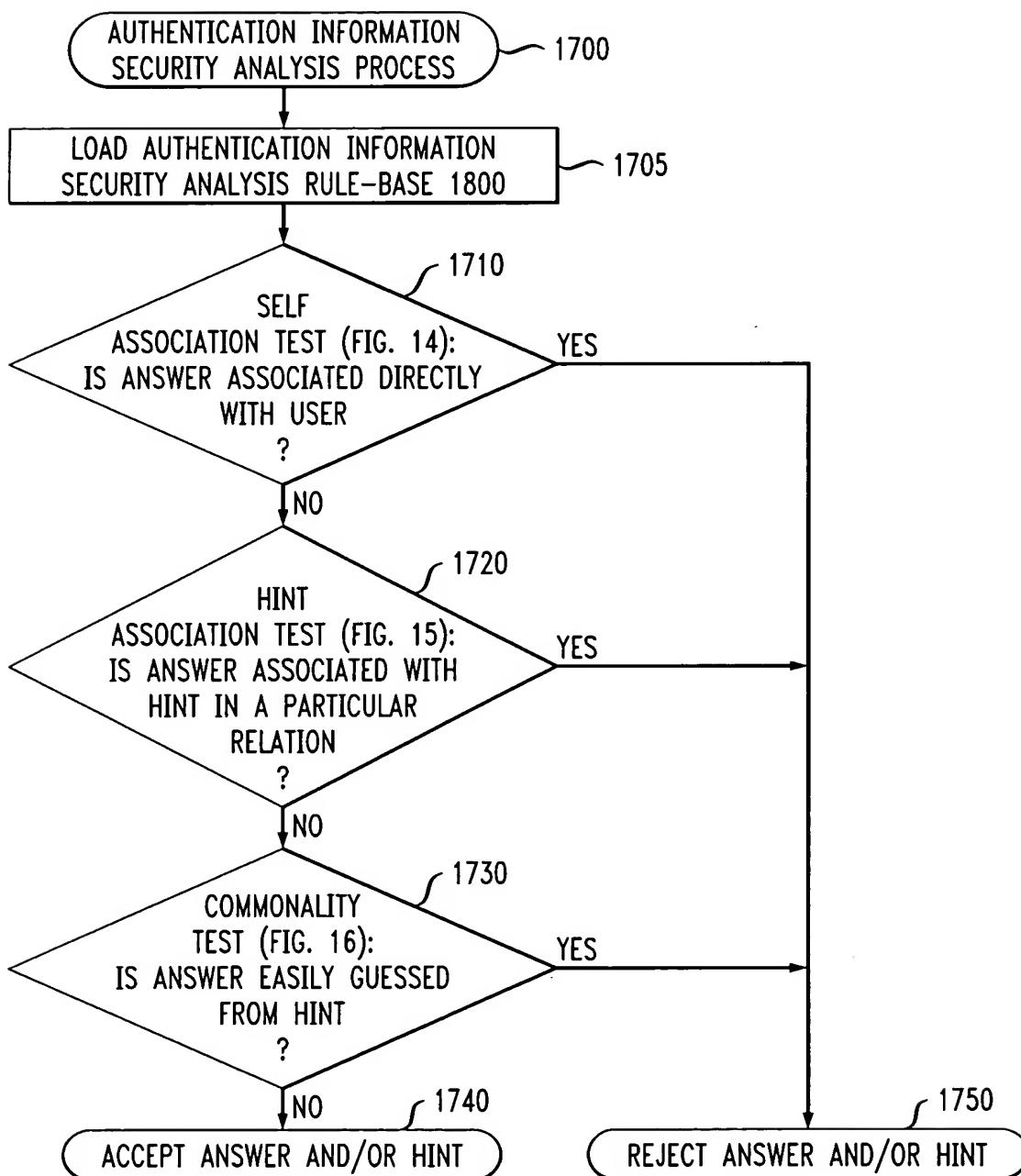


FIG. 17



14/14

FIG. 18 AUTHENTICATION INFORMATION SECURITY ANALYSIS RULE-BASE -- 1800

		RULE NAME	RULE TYPE	RULE CONDITION(S)
1810 ~	USER TELEPHONE NUMBER	SELF ASSOCIATION	IS USER OWNER OF PROPOSED TELEPHONE NUMBER?	1830
1811 ~	WORD ASSOCIATION	SELF ASSOCIATION	IS USER STRONGLY ASSOCIATED WITH PROPOSED WORD?	1840
1812 ~	HINT RELATED TO USER	HINT ASSOCIATION	IS PERSON ASSOCIATED WITH PROPOSED HINT IN A PARTICULAR RELATION WITH USER?	1850
	:	:	:	
1820 ~	COMMON TELEPHONE NUMBER	COMMONALITY	IS POPULAR BUSINESS ENTITY OWNER OF PROPOSED TELEPHONE NUMBER?	

FIG. 19

	<NONE>	COMPILERS	PEARLS	IMAGE
AUTHOR A	13400	8560 64%	174 1%	921 7%
AUTHOR B	10700	480 4%	4670 44%	692 6%
AUTHOR C	2110	34 2%	3 0%	915 43%

1900